

U.S. DEPARTMENT OF COMMERCE, PATENT AND TRADEMARK OFFICE		DATE: 10 September 2004 (D. 09.2004)
TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A FILING UNDER 35 U.S.C. 371		U.S. APPLN. NO.: (if known) Not Yet Assigned <b>10/507432</b>
INTERNATIONAL APPLICATION NO.: PCT/EP03/02550	INTERNATIONAL FILING DATE: 12 March 2003 (12.03.2003)	PRIORITY DATE CLAIMED: PG 2002 A 000013 (13.03.2002) IT
<b>TITLE OF INVENTION: ION CONDUCTING COMPOSITE MEMBRANE MATERIALS CONTAINING AN OPTIONALLY MODIFIED ZIRCONIUM PHOSPHATE DISPERSED IN A POLYMERIC MATRIX, METHOD FOR PREPARATION OF THE MEMBRANE MATERIAL AND ITS USE</b>		
APPLICANT(S) FOR DO/EO/US: BAUER, Bernd; ROZIERE, Jacques; JONES, Deborah; ALBERTI, Giulio; CACCIOLA, Mario; PICA, Monica		
Applicant hereby submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:		
<p>1. <input checked="" type="checkbox"/> This is a <b>FIRST</b> submission of items concerning a filing under 35 U.S.C. 371.</p> <p>2. <input type="checkbox"/> This is a <b>SECOND</b> or <b>SUBSEQUENT</b> submission of items concerning a filing under 35 U.S.C. 371.</p> <p>3. <input checked="" type="checkbox"/> This express request to begin national examination procedures (35 USC 371(f)) The submission must include items(5), (6), (9) and (21) indicated below.</p> <p>4. <input checked="" type="checkbox"/> The US has been elected by the expiration of 19 months from the priority date(Article31)</p> <p>5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371(c)(2)):</p> <ul style="list-style-type: none"> <li>a. <input checked="" type="checkbox"/> is transmitted herewith (required only if not transmitted by the International Bureau).</li> <li>b. <input type="checkbox"/> has been communicated by the International Bureau.</li> <li>c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US)</li> </ul> <p>6. <input type="checkbox"/> A English translation of the International Application as filed (35 U.S.C. 371(c)(2)).</p> <p>7. <input checked="" type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))</p> <ul style="list-style-type: none"> <li>a. <input type="checkbox"/> are attached hereto (required only if not transmitted by the International Bureau).</li> <li>b. <input type="checkbox"/> have been communicated by the International Bureau.</li> <li>c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired.</li> <li>d. <input checked="" type="checkbox"/> have not been made and will not be made.</li> </ul> <p>8. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).</p> <p>9. <input type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).</p> <p>10. <input type="checkbox"/> A translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).</p>		
<b>ITEMS 11 to 20 BELOW CONCERN OTHER DOCUMENT(S) OR INFORMATION INCLUDED:</b>		
<p>11. <input type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98.</p> <p>12. <input type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.</p> <p>13. <input checked="" type="checkbox"/> A <b>FIRST</b> preliminary amendment.</p> <p>14. <input type="checkbox"/> A <b>SECOND</b> or <b>SUBSEQUENT</b> preliminary amendment</p> <p>15. <input type="checkbox"/> A substitute specification.</p> <p>16. <input type="checkbox"/> A change of power of attorney and/or address letter.</p> <p>17. <input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter2 and 35 USC 1821 - 1825</p> <p>18. <input type="checkbox"/> A second copy of the published international application under 35 USC 154(d)(4)</p> <p>19. <input type="checkbox"/> A second copy of the English language translation of the international application under 35 USC 154(d)(4)</p> <p>20. <input type="checkbox"/> Other items or information:  <b>TRANSMITTAL FORM; FEE CALCULATION; INTERNATIONAL PUBLICATION WO 03/077340 A2 WITH INTERNATIONAL PUBLICATION DATE 12 MARCH 2003 (12.03.2003) WHICH CONSISTS OF 32 PAGES INCLUDING 1 COVER SHEET; 16 PAGES TEXTUAL SPECIFICATION, 5 PAGES OF 25 CLAIMS; 1 PAGE OF THE SUMMARY; 9 SHEETS DRAWINGS; PRELIMINARY AMENDMENT WITH ATTACHMENT A &amp; B TO BE EXAMINED; UNEXECUTED INVENTOR'S DECLARATION; PUBLICATION WO 2003/077340 A3 WITH SEARCH REPORT PCT/ISA/210; PCT/IB/306 NOTIFICATION OF THE RECORDING OF A CHANGE; PCT/IB/304 NOTIFICATION OF THE TRANSMITTAL OF PRIORITY DOCUMENT; PCT REQUEST.</b> </p>		

10/507432

ATTORNEY'S DOCKET NO: 26334

DT09 Rec'd PCT/PTO 10 SEP 2004

U.S. APPLICATION NO. (if known) not yet assigned	INTERNATIONAL APPLICATION NO. PCT/EP03/02550	DATE: 10 September 2004 (10.09.2004)
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17. <input checked="" type="checkbox"/> The following fees are submitted:	<u>CALCULATIONS</u>	<u>PTO USE ONLY</u>
<b>Basic National Fee (37 CFR 1.492(a)(1)-(5):</b> Search Report has been prepared by the EPO or JPO:.....\$920.00	\$ 920.00	
International preliminary examination fee paid to USPTO (37 CFR 1.482). ....\$730.00		
No international preliminary examination fee paid to USPTO (37 CFR 1.482) but international search fee paid to USPTO (37 CFR 1.445(a)(2)). ....\$770.00		
Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO.....\$1080.00	\$ 920.00	
International preliminary examination fee (37 CFR 1.482) and all claims satisfied provisions of PCT Article 33(1)-(4) IPEA-U.S.....\$ 100.00	\$ 920.00	
<b>ENTER APPROPRIATE BASIC FEE AMOUNT =</b>		

Surcharge of \$130.00 for furnishing the oath or declaration later than ___ 20 ___ 30 months from the earliest claimed priority date (37 CFR 1.492(e)).	\$	
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CLAIMS	NO. FILED	NO. EXTRA	RATE		
TOTAL	36 -20=	16	X \$ 18.00	\$ 288.00	
INDEPENDENT	1 - 3=	0	X \$ 84.00	\$ 0.00	
Multiple dependent claims(s) (if applicable)			+ \$280.00	\$ 0.00	
<b>TOTAL OF ABOVE CALCULATIONS =</b>				\$ 1,208.00	
Reduction by 2 for asserting small entity, if applicable. (Note 37 CFR 1.9, 1.27, 1.28).				\$ -604.00	
<b>SUBTOTAL =</b>				\$ 604.00	
Processing fee of \$130.00 for furnishing the English translation later than ___ 20 ___ 30 months from the earliest claimed priority date (37 CFR 1.492(f)). +				\$ 0.00	
<b>TOTAL NATIONAL FEE =</b>				\$ 604.00	
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). <b>\$40.00 per property +</b>				\$ 0.00	
<b>TOTAL FEES ENCLOSED =</b>				\$ 604.00	
			Amount to be: refunded	\$	
			charged	\$	

10/507432

DT09 Rec'd PCT/PTO 10 SEP 2004

ATTORNEY'S DOCKET NO: 26334

U.S. APPLICATION NO.  
(if known) not yet assigned

INTERNATIONAL APPLICATION NO.  
PCT/EP03/02550

DATE: 10 September 2004 (10.09.2004)

a.  One check in the aggregate amount of \$ 604.00 to cover the above fees is enclosed.

b.  Please charge my Deposit Account No. 14-0112 in the amount of \$ \_\_\_\_\_ to cover the above fees. (A duplicate copy of this sheet is enclosed.)

c.  The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 14-0112.

d. Fees are to be charged to a credit card \_\_\_\_ WARNING: Information on this form may become public \_\_\_\_ Credit Card Information should not be included on this form. \_\_\_\_ Provide credit card information and authorization on PTO-2038

**NOTE:** Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed to request that the application be restored to pending status.

Send All Correspondence To:

Gary M. Nath  
NATH & ASSOCIATES PLLC  
1030 15<sup>th</sup> Street, N.W.  
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Gary M. Nath  
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Tanya E. Harkins  
Registration No. 52,993  
Customer No. 20529

901004  
21861 US PTODT03 Rec'd PCT/PTO 10 SEP 2004 MAIL STOP PCT  
Attorney Docket No. 26334

PCT

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:  
BAUER et al.

10/507432

International Application No. PCT/EP03/02550

Serial No. NOT YET ASSIGNED

International Filing Date: 12 March 2003 (12.03.2003)

Filed: September 10, 2004

For: ION CONDUCTING COMPOSITE MEMBRANE MATERIALS CONTAINING AN  
OPTIONALLY MODIFIED ZIRCONIUM PHOSPHATE DISPERSED IN A POLYMERIC  
MATRIX, METHOD FOR PREPARATION OF THE MEMBRANE MATERIAL AND ITS USETRANSMITTAL LETTERCommissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

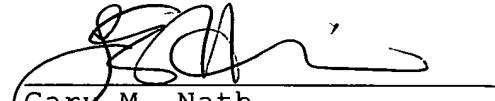
Submitted herewith for filing in the U.S. Patent and Trademark  
Office is the following:

- (1) Transmittal Letter
- (2) Transmittal Letter To U.S. Designated/Elected Office (DO/EO/US)  
Concerning Filing under 35 U.S.C. 371
- (3) International Publication No: WO 03/077340 A2  
International Publication Date: 18 September 2003 (18.09.2003)  
which consists of 32 pages including:  
1 cover sheet,  
16 pages Textual Specification,  
5 pages of 25 Claims,  
1 page of the Summary,  
9 sheets of Drawings;
- (4) Preliminary Amendment with Attachment A & B to be examined;
- (5) Unexecuted Inventor's Declaration;
- (6) Publication WO 2003/077340 A3 with Search Report PCT/ISA/210;
- (7) PCT/IB/306 Notification of the Recording of a Change;
- (8) PCT/IB/304 Notification of the Transmittal of Priority Document;
- (9) PCT Request;
- (10) Check No. 21694 \$604.00 for Government Filing Fee with  
excess claims as a small entity;
- (11) Postcard for early notification of serial number.

Respectfully submitted,

NATH &amp; ASSOCIATES PLLC

By:

  
Gary M. Nath  
Registration No. 26,965  
Tanya E. Harkins  
Registration No. 52,993  
Customer No. 20529

Date: September 10, 2004

NATH & ASSOCIATES PLLC  
1030<sup>th</sup> 15<sup>th</sup> Street, NW - 6<sup>th</sup> Floor  
Washington, D.C. 20005  
GMN/TEH/dd/PCT.NATLphase.TL

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

BAUER et al.

International Application No. PCT/EP03/02550

Serial No. 10/507,432

International Filing Date: 12 March 2003 (12.03.2003)

Filed: September 10, 2004

For: ION CONDUCTING COMPOSITE MEMBRANE MATERIALS CONTAINING AN  
OPTIONALLY MODIFIED ZIRCONIUM PHOSPHATE DISPERSED IN A POLYMERIC  
MATRIX, METHOD FOR PREPARATION OF THE MEMBRANE MATERIAL AND ITS USE

**SUBMISSION OF DOCUMENTS TO COMPLETE FILING REQUIREMENTS UNDER 35**  
**USC 371**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

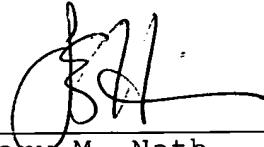
Sir:

In order to complete the requirements for the national phase filing Under USC 371 commenced on 10 September 2004 of the captioned application, applicant now submits the following documents;

- (1) Executed Declaration/Power of Attorney;
- (2) Check No. 22576 for \$ 65.00 surcharge for late filing of executed Declaration as a small entity.

Please charge any deficiency or credit any overpayment to our Deposit Account No. 14-0112.

Respectfully submitted  
**NATH & ASSOCIATES PLLC**



Gary M. Nath  
Reg. No. 26,965  
Tanya E. Harkins  
Reg. No. 52,993  
Customer No. 20529

Date: February 10, 2005  
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